

Inventor: Edward W. Knowlton

ABSTRACT OF THE DISCLOSURE

An apparatus for dissecting tissue in a substantially uniform plane of dissection includes a housing configured to be advanced under a tissue layer, and control one of a depth of dissection or tissue flap thickness. The housing thermally shields at least a portion of the tissue flap. A roller is coupled to the housing. The roller is configured to smoothly advance housing over tissue. An energy delivery device is coupled to housing. The energy delivery device is configured to be coupled to an energy source. The energy delivery device has a geometry that substantially defines a plane of dissection.